

Answer on Question#37215 - Programming, C++

Write a program that reads integer numbers from a file (number of them is unknown). Then, your program should print

Maximum number.
Total of even numbers.
Average of all numbers.
How many of them greater than the average.

Solution.

```
#include <iostream>

#include <fstream>

using namespace std;

int main(int argc, char * argv[])
{
    char ch[]="45 65 45 78 98 9 8 78 9 8 s";//Here you can connect a file

    //like this
    // ifstream in;
    // in.open("D:\\filename.txt")
    // char ch;
    // in.get(ch);

    char chArray[5];
    int max=0;
    double median=0;
    int evennumbers=0,moreMedn=0;
    int count=0;
    int i=0,j=-1;
    int inum;

    while(1)
    {
        j++;i=0;
        while(ch[j]!=' ')
        {
            chArray[i]=ch[j];
            if(ch[j]==115){break;}
            j++; i++;
        }

        if(ch[j]==115){break;}
        inum = atoi(chArray);
        memset(chArray,0,5);

        if(inum>max){max=inum;}
```

```

        if (inum%2==0) {evennumbers++;}
        median+=inum;
        count++;
    }

median=median/count;

j=-1;
while (1)
{
    j++;i=0;
    while (ch[j]!=' ')
    {
        chArray[i]=ch[j];
        if (ch[j]==115) {break;}
        j++; i++;
    }

    if (ch[j]==115) {break;}
    inum = atoi(chArray);
    memset(chArray,0,5);
    if (inum>median) {moreMedn++;}
}

cout<<max<<endl;
cout<<evennumbers<<endl;
cout<<median<<endl;
cout<<moreMedn<<endl;

system("pause");
return 0;
}

```